CLAIMS

1. A realtime data recording method for recording data on a data recording medium by a recording apparatus, comprising:

before recording of file data, generating initial management data for said file data to be recorded;

recording said initial management data on the data recording medium;

recording said file data on the data recording medium depending on the initial management data;

generating realtime management data corresponding to the recorded file data;

recording the realtime management data on the data recording medium; and

if a fault of recording the realtime management data on the recording medium occurs, not allowing the recording medium to be removed from the apparatus until said realtime management data is updated and the updated realtime management data is recorded on the recording medium.

2. A realtime data recording method for recording data on a recording medium by a recording apparatus, comprising:

before recording of file data, generating initial management data for said file data to be recorded;

recording said initial management data on the recording medium;

recording said file data on the recording medium depending on the initial management data;

generating realtime management data corresponding to the recorded file data;

recording the realtime management data on the recording medium; and

upon restarting a use of the recording medium after occurrence of a fault of recording said realtime management data, displaying a message indicating the fault, and if data directing recovery is inputted, updating said realtime management data, then recording said updated realtime management data on the recording medium.

3. The recording method according to claim 2, wherein:

if the faulted recording medium is removed from the recording apparatus without recovery, identification (ID) data of the faulted recording medium is non-volatilely stored; and

if the faulted recording medium is loaded again, recognizing the faulted recording medium depending on the ID data.

4. A realtime data recording apparatus for recording data on a recording medium, comprising:

initial management data generating means for generating initial management data for file data to be recorded before recording of file data;

realtime management data generating means for generating realtime management data corresponding to file data recorded on the recording medium;

recording means for recording said initial management data on the recording medium, and for recording said file data on the recording medium depending on the initial management data, and for recording the realtime management data on the recording medium; and

displaying means for displaying data;

wherein, upon restarting a use of the recording medium after occurrence of a fault of recording said realtime management data, the displaying means displays a message indicating the fault, and if data directing recovery is inputted, the realtime management data means updates said realtime management data, then the recording means records said realtime management data on the recording medium.

5. The recording apparatus according to claim 4, comprising;

non-volatile memory for storing identification (ID) data of the faulted recording medium if the faulted recording medium is removed from the recording apparatus without recovery, and when the faulted recording medium is loaded again, recognizing the faulted recording medium depending on the non-volatilely stored ID data.

6. The recording apparatus according to claim 5, wherein:

the non-volatile memory is non-battery type memory; and

the non-volatile memory stores the ID data when the power source of recording apparatus is off.

7. The recording apparatus according to claim 5, wherein:

the power source of the non-volatile memory is different from the power source of the recording apparatus; and

the non-volatile memory stores the ID data when the battery of recording apparatus is off.